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(54) Title: MANGANESE(IV) COMPLEX SALTS AND THEIR USE AS OXIDATION CATALYSTS

(57) Abstract: Disclosed are manganese(IV) complex salts of formula $[LMn(\mu-O)_2MnL]_n[XM_{12}O_{40}]_m$, (I), wherein L is 1,4,7-trimethyl-1,4,7-triazacyclononane, X is P or Si, M is Mo or W, n is 2 or 3, and m is 1 or 2, with the provisos that (i) if X is Si, then n = 2 and m = 1 and (ii) if X is P, then n = 3 and m = 2. These compounds are active catalysts in the partial oxidation of various organic compounds with peroxy compounds, e. g. the preparation of ketones from secondary alcohols or the epoxidation of olefins.